



EXCHANGER SIZE * BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3H-42-2*-4	33 5/8	848	15 3/4	400	9 1/2	241	26	660	2	51	1	25
WS3H-43-2*-4	45 5/8	1153	27 3/4	705	21 1/2	546	38	965	2	51	1	25
WS3H-44-2*-4	57 5/8	1458	39 3/4	1010	33 1/2	851	50	1270	2	51	1	25
WS3H-45-2*-4	69 5/8	1762	51 3/4	1314	45 1/2	1156	62	1575	2 1/2	64	1 1/4	32
WS3H-46-2*-4	81 5/8	2067	63 3/4	1619	57 1/2	1461	74	1879	2 1/2	64	1 1/4	32
WS3H-47-2*-4	93 5/8	2372	75 3/4	1924	69 1/2	1765	86	2184	2 1/2	64	1 1/4	32
WS3H-48-2*-4	105 5/8	2677	87 3/4	2229	81 1/2	2070	98	2489	2 1/2	64	1 1/4	32
WS3H-49-2*-4	117 5/8	2982	99 3/4	2534	93 1/2	2375	110	2794	2 1/2	64	1 1/4	32
WS3H-410-2*-4	129 5/8	3286	111 3/4	2838	105 1/2	2680	122	3099	2 1/2	64	1 1/4	32

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	1-1/4 (32) 300# FLG.
OUTLET	N2	AS PER TABLE	N6	1-1/4 (32) 300# FLG.
VENT	N4	3/4 (19) NPT		

- NOTES: 1. SUPPORTS SUPPLIED ONLY IF SPECIFIED ON ORDER.  
 2. NOZZLE SIZES SHOWN ARE RECOMMENDED FOR MAXIMUM EXCHANGER LIFE.  
 3. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.  
 4. DRAWING IS NOT TO SCALE.  
 5. ALL DIMN'S  $\pm 1/8$  (3) UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS				
	SHELL		TUBES	
DESIGN PRESSURE	300 PSIG	2068 KPa	300 PSIG	2068 KPa
DESIGN TEMPERATURE	375 °F	191 °C	375 °F	191 °C
MIN. DESIGN METAL TEMP.	35 °F	1.7 °C	35 °F	1.7 °C
HYDRO. TEST PRESSURE	450 PSIG	3102 KPa	450 PSIG	3102 KPa
CONTENTS	STEAM		WATER	

CUSTOMER: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 ORDER No.: \_\_\_\_\_  
 PROJECT/JOB: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 TAG: \_\_\_\_\_ (QUOTE # \_\_\_\_\_)

TITLE G.A. 300 LB. WS SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER WS3H-4-2P-4	REV.
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